BRUHAT BANGALORE MAHANAGARA PALIKE

PROJECT DIVISION, YELAHANKA ZONE

WORKSLIP STATEMENT

Name of Work: Package-02 Construction of Samudaya Bhavana Buildings at Dasarahalli SC Colony Mariyannapalya Clony Amruthahalli SC Colony Kuvempunagara SC Colony and Varadarajanagara SC Colony

Name of Agency: Sri.K Gopireddy

Work Order No: EE(Project)/Ynk Zone/WO/78/2017-18

Tender Notification No: EE/YNK/EE(Project)/TEND/05/2017-18, Dt:30-05-2018.

Sl.No	Description of work	Unit	As per Bill of quantities			Quantity up to 125%			Quantity above 125%			Anticipated final qty	Excess	
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Est Qty	Amount	Amount
1	2	3	7	8	9	10	11	12	13	14	15	16	17	18
4	Earthwork excavation by manual means for foundation of buildings,water supply,sanitary lines and electrical conduits either in pis or in trenches1.5m and above in width,in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits & trenches ,stacking the excavated soil clear from the edges of excavation with lead upto 50m after breaking of clods complete as per specifications. and as per the direction Engineer-in-Charge	Cum.	398.81	295.0	117648.95	470.48	295.0	138790.21				470.48	138790.21	21141.26
5	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57 cum machine mixed concrete laid layers not exceeding 15cms thick well compacted in foundation and plinth including cost of all materials, labour. HOM of mahinery, curing complete as per specifications . and as per the direction Engineer-in-Charge	Cum.	40.12	5250.0	210630.00	49.28	5250.0	258726.04				49.28	258726.04	48096.04
6	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement@340kgs, with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for R.C.C beams, columns of all sizes in foundation plinth and superstructure ground floor level for roof slabs, staircase, lintels, columns, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 (P.13/14.12PWD SR - 2016-17)	Cum.	109.68	6718.0	736830.24	114.53	6718.0	769445.96				114.53	[illegible]	[illegible]

Sl.No	Description of work	Unit	As per Bill of quantities			Quantity up to 125%			Quantity above 125%			Anticipated final qty	Excess	Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Est Qty	Amount	
1	2	3	7	8	9	10	11	12	13	14	15	16	17	18
8	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:8, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specification. KBS 5.1.13 (P.23/5.6 PWD SR - 2016-17).	Cum.	57.46	4350.0	249951.00	66.86	4350.0	290845.35				66.86	290845.35	40894.35	
9	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70cum and fine aggregates @ 0.47cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in Ground Floor Level for Roof Slabs, Staircase, Lintels and Beams, retaining walls, return walls, Walls (any thickness) including attached pilasters, columns, pillars, posts, struts, buttresses, string or lacing courses, Parapets, Coping, bed blocks, anchor blocks, Plain Window Cills, Fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. and as per the direction Engineer-in-Charge	Cum.	59.59	6870.0	409383.30	74.49	6870.0	511729.13	34.91	6786.28	236917.36	109.40	748646.49	339263.19	
11	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications.and as per the direction Engineer-in-Charge	Sqm	142.95	316.0	45172.20	160.93	316.0	50852.30				160.93	50852.30	5680.10	
14	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.114/15.21PWD SR - 2016-17)	Sqm	93.60	200.0	18720.00	117.00	200.0	23400.00	41.15	200.0	8230.50	158.15	31630.50	12910.50	

Sl.No	Description of work	Unit	As per Bill of quantities			Quantity up to 125%			Quantity above 125%			Anticipated final qty		Excess	Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Est Qty	Amount	Amount	
1	2	3	7	8	9	10	11	12	13	14	15	16	17	18	
15	Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.TMT Bars Fe 500 (P17\4.46.3PWD SR - 2016-17)	Tonne	13.51	76329.0	1031204.79	16.89	76329.0	1289005.99	4.31	60434.87	260197.12	21.19	1549203.11	517998.32	
16	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/cum having a minimum average compressive strength of 4.00N/mm2 confirming to IS 2185(Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding , curing , hire charges of machineries etc., complete as per specfications . KBS No.5.4 with solid concrete blocks of size 40x20x20cm ---- All terms and conditions as per the Tender document and as per the direction Engineer-in-Charge	Sqm	188.54	990.0	186654.60	235.68	990.0	233318.25	44.84	990.0	44394.57	280.52	277712.82	91058.22	
17	KSRB 5-15: Providing and constructing precast concrete solid blocks with compressive strength not less than 1800Kg/m3 having a minimum average compressive strenth of 5,00 N/mm2 confirming to IS 2185(Part 1);2005 and constructed with CM 1:4,as per IS 2572;2005 including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P25/5.28PWD SR - 2016-17) (size 400X100X200mm)	Sqm	105.60	760.0	80256.00	110.35	760.0	83862.20				110.35	83862.20	3606.20	
24	Providing 18mm thick cement plaster in Single coats with cement mortar 1:6 to Brick Masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. External Plastering ---- All terms and conditions as per the Tender document and as per the direction Engineer-in-Charge	Sqm	201.00	200.0	40200.00	211.01	200.0	42201.60				211.01	42201.60	2001.60	

Sl.No	Description of work	Unit	As per Bill of quantities			Quantity up to 125%			Quantity above 125%			Anticipated final qty	Excess	Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Est Qty / Amount	Amount	
1	2	3	7	8	9	10	11	12	13	14	15	16 / 17	18	
34	KSRRB 4.1.2:- Providing and laying in position Plain Cement Concrete of mix 1:3:6 with OPC cement @ 220kgs ,with 40mm and down size graded granite metal coarse aggregates @ 0 .892 cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials,labour, HOM of machinery ,curing complete as per specifications. (P.12/4.2 PWD SR - 2016-17).	Cum.	5.31	5400.0	28674.00	6.50	5400.0	35100.00				6.50 / 35100.00	6426.00	
38	Supplying and fixing M.S Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in cc 1:2:4 with 2 nos 16mm dia M.S hold fast rods each of length 25cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welding joints with all lead lifts and as per directions of the Engineer -in- charge of the work and including two coats of paint over one coat of shop painting (excluding cost of earthwork and concrete) ---- All terms and conditions as per the Tender document	Rmtr	59.00	145.0	8555.00	68.44	145.0	9923.22				68.44 / 9923.22	1368.22	
					7571609.08			3982152.93			549739.56	4531892.49	1123059.72	

PERCENTAGE OF EXCESS COMPARING TO SANCTIONED COST = $\frac{1123059.72}{7571609.08}$ x100 = **14.83%**

Asst Engineer
Project Division-Yelahanka Zone

Asst.Executive Engineer
Project Division-Yelahanka Zone

Executive Engineer
Project Division-Yelahanka Zone

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

4/12/18

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BRUHAT BANGALORE MAHANAGARA PALIKE

PWG Form-71

Name of work: Package-02 Construction of Samudaya Bhavana Buildings at Dasarahalli SC Colony Mariyannapalya Clony Amruthahalli SC Colony Kuvempunagara SC Colony and Varadarajanagara SC Colony

EIRL

Name of work:Package-02 Construction of Samudaya Bhavana Buildings at Dasarahalli SC Colony Mariyannapalya Clony Amruthahalli SC Colony Kuvempunagara SC Colony and Varadarajanagara SC Colony

Estimate Amount:-8000000.00

Work Order No.:EE(Project) Ynk zone/Wo/78/2017-18

Name of Agency:- K. Gopi Reddy

Sl. No.	Description of Work	Unit	Quantity	Rate	Amount in Rupees	Whether item alternate to item in the tender or whether they are additional item (if, in lieu of the same item in the accepted tender such items should be mentioned.	Whether the extra item is included in the sanctioned estimate.	How the extra cost of the item is proposed to be met	Whether the extra item is included in the Schedule of rates of the division, if not, data sheet should accompany the rate list.	Remarks
1	2	3	4	5	6	7	8	9	10	11
1	KSRRB M200-24-Dismantling of Cement Concrete Pavement By mechanical means using pneumatic tools,breaking to pieces no exceeding o.o2 cum in volume and stock piling at designated locations and disposal of dismantled materials up to a lead of 1000 meters,stacking serviceable and uncerviceable materials separately complete as per specifications.Morth specifications		42.73	832.43	35569.75	ADDITIONAL Item	No	General savings	PWP&IWTD S.R2016-17 PageNo-12, I.No	
2	Dismantling burnt brick masanry in clay mortor/lime mortor/cement mortor and stocking the bricks within a radious of 50m and removing the debries to adistance up to 200m.etc as per specifications and directions of the engineer in charge of work (P265/37.47 PWD SR - 2016-17).	Cum	57.13	166.27	9499.50	ADDITIONAL Item	No	General savings	PWP&IWTD S.R2016-17 PageNo-265, I.No-37.47	
3	KSRB 2.8: Providing and Filling in foundation with granite / trap broken metal 100mm. And down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. Complete as per specifications. (P6/2.15 PWD SR - 2016-17).	Cum	51.78	2253.21	116660.46	ADDITIONAL Item	No	General savings	PWP&IWTD S.R2016-17 PageNo-6, I.No-2.15	

Sl. No.	Description of Work	Unit	Quantity	Rate	Amount in Rupees	Whether item alternate to item in the tender or whether they are additional item (if, in lieu of the same item in the accepted tender such items should be mentioned.	Whether the extra item is included in the sanctioned estimate.	How the extra cost of the item is proposed to be met	Whether the extra item is included in the Schedule of rates of the division, if not, data sheet should accompany the rate list.	Remarks
4	Providing and laying flooring using prepolished, water cut/ gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to match shade of granite slabs include laying POP on finished surface,including cost of materials, labour charges, etc., complete as per specifications(p.107/14.47.1PWD SR - 2016-17).	Sqm	135.90	2791.47	379351.91	ADDITIONAL Item	No	General savings	PWP&IWTD S.R2016-17 PageNo-107, I.No-14.47	
###	KSRB 7.9: Providing and fixing M.S. Grill work for windows and ventilators weighing 21kg/sqm using M.S Flats or M.S. Square roads, or combination of M.S. flats and quare roads as per approved design drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12 (page No. 32/Item No.7.9PWD SR - 2016-17)	Kgs	593.65	83.14	49353.87	ADDITIONAL Item	No	General savings	PWP&IWTD S.R2016-17 PageNo-32, I.No-7.9	

Sl. No.	Description of Work	Unit	Quantity	Rate	Amount in Rupees	Whether item alternate to item in the tender or whether they are additional item (if, in lieu of the same item in the accepted tender such items should be mentioned.	Whether the extra item is included in the sanctioned estimate.	How the extra cost of the item is proposed to be met	Whether the extra item is included in the Schedule of rates of the division, if not, data sheet should accompany the rate list.	Remarks
5	Providing and fixing M.S. Hand railing for Balcony with 50mm dia. M.S. hollow pipe of 14 gauge, welded to 20mmx20mm M.S. square rod placed vertically, spaced at 100mm at regular intervals of 600mm. These vertical rods laterally tied to 3 horizontal rods spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface. All the joints and sections hould be cut to length, welded and grinded wherever necessary etc., complete . The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing.	Sqm	40.50	2820.24	114219.90	* ADDITIONAL Item	No	General savings	PWP&IWTD S.R2016-17 PageNo-32, I.No-7.9	
	TOTAL ERIL AMOUNT				**704655.39**					

Note: Percentage of Extra item over the sanctioned Estimate=Extra item amount over the approved amount/Amount Put to tender x 100

Percentage of Extra item over the sanctioned Estimate= $\frac{704655.39}{7571609.08}$ **x100%=** **9.31%**

Percentage Of Excess 9.31

Assistant Engineer
Project Division Yelahanka
Bruhat Bangalore Mahanagara palike

Assistant Executive Engineer
Project Division Yelahanka
Bruhat Bangalore Mahanagara palike

Executive Engineer
Project Division Yelahanka
Bruhat Bangalore Mahanagara palike
4/12/18

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BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Work: Package-02 Construction of Samudaya Bhavana Buildings at Dasarahalli SC Colony Mariyannapalya Clony Amruthahalli SC Colony Kuvempunagara SC Colony and Varadarajanagara SC Colony

RATE ANALYSIS - EIRL

EIRL-1	KSRRB M200-24-Dismantling of Cement Concrete Pavement By mechanical means using pneumatic tools,breaking to pieces no exceeding o.o2 cum in volume and stock piling at designated locations and disposal of dismantled materials up to a lead of 1000 meters,stacking serviceable and uncerviceable materials separately complete as per specifications.Morth specifications								
	Basic rate	781.00							
	8%Weightage	62.48							
	Total Rs.	843.48							
	(-)1.31% TP	-11.05							
	Net Total Rs.	832.43				Total	**832.43**		**Cum**
EIRL-2	Dismantling burnt brick masanry in clay mortor/lime mortor/cement mortor and stocking the bricks within a radious of 50m and removing the debries to adistance up to 200m.etc as per specifications and directions of the engineer in charge of work (P265/37.47 PWD SR - 2016-17).								
	Basic rate	156.00							
	8%Weightage	12.48							
	Total Rs.	168.48							
	(-)1.31% TP	-2.21							
	Net Total Rs.	166.27				Total	**166.27**		**Cum**
EIRL-3	KSRB 2.8: Providing and Filling in foundation with granite / trap broken metal 100mm. And down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. Complete as per specifications. (P6/2.15 PWD SR - 2016-17).								
	Basic rate	2114.00							
	8%Weightage	169.12							
	Total Rs.	2283.12							
	(-)1.31% TP	-29.91							
	Net Total Rs.	2253.21							
						Total	2253.21		Cum
EIRL-4	Providing and laying flooring using prepolished, water cut/ gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to match shade of granite slabs include laying POP on finished surface,including cost of materials, labour charges, etc., complete as per specifications(p.107/14.47.1PWD SR - 2016-17).								
	Basic rate	2619.00							
	8%Weightage	209.52							
	Total Rs.	2828.52							
	(-)1.31% TP	-37.05							

	Net Total Rs.	2791.47							
						Total	**2791.47**		**Sqm**
EIRL-5	KSRB 7.9: Providing and fixing M.S. Grill work for windows and ventilators weighing 21kg/sqm using M.S Flats or M.S. Square roads, or combination of M.S. flats and quare roads as per approved design drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12 (page No. 32/Item No.7.9PWD SR - 2016-17)								
	Basic rate	78.00							
	8%Weightage	6.24							
	Total Rs.	84.24							
	(-)1.31% TP	-1.10							
	Net Total Rs.	83.14							
						Total	**83.14**		**Kgs**
EIRL-6	Providing and fixing M.S. Hand railing for Balcony with 50mm dia. M.S. hollow pipe of 14 gauge, welded to 20mmx20mm M.S. square rod placed vertically, spaced at 100mm at regular intervals of 600mm. These vertical rods laterally tied to 3 horizontal rods spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface. All the joints and sections hould be cut to length, welded and grinded wherever necessary etc., complete . The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing.								
	Basic rate	2646.00							
	8%Weightage	211.68							
	Total Rs.	2857.68							
	(-)1.31% TP	-37.44							
	Net Total Rs.	2820.24							
						Total	**2820.24**		**Sqm**

Assistant Engineer
Yelahanka Project Division

Assistant Executive Engineer
Yelahanka Project Division

Executive Engineer
Yelahanka Project Division
4/12/18

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